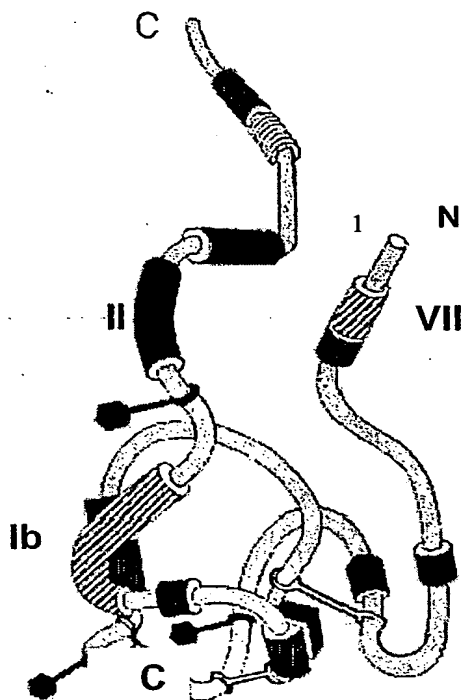
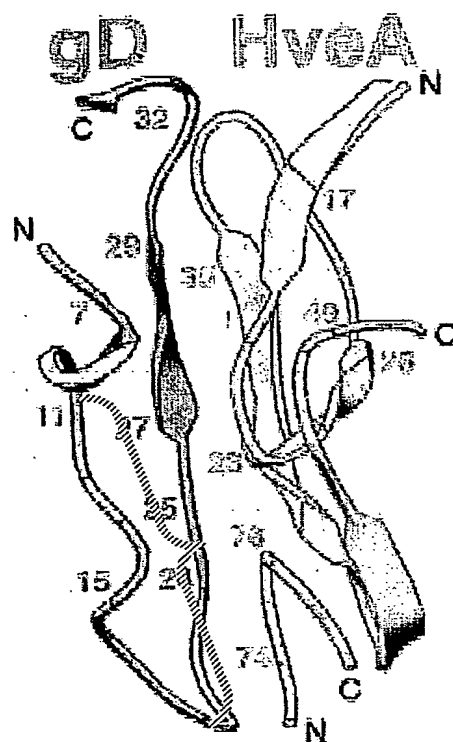


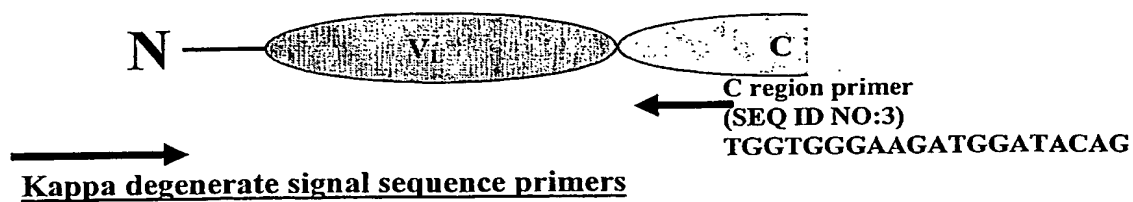
1A



1B



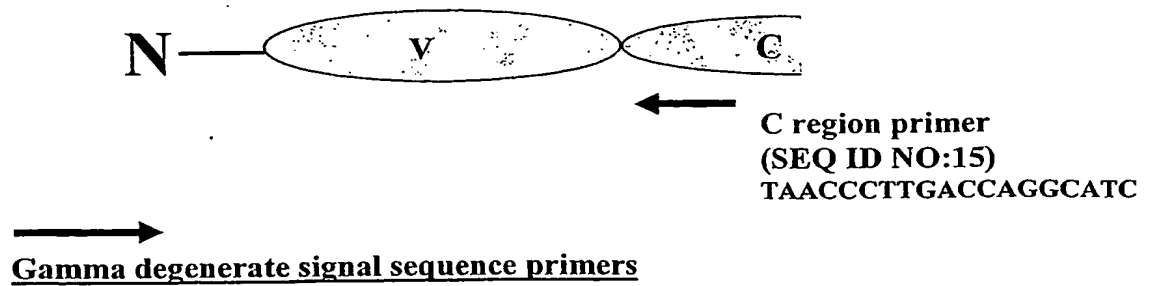
FIGs. 1A-1B



| | |
|----------|--|
| Kappa 1 | GGTGATATCGTGATRACMCARGATGAACTCTC (SEQ ID NO:4) |
| Kappa 2 | GGTGATATCWTGMTGACCCAAWCTCCACTCTC (SEQ ID NO:5) |
| Kappa 3 | GGTGATATCGTKCTCACYCARTCTCCAGCAAT (SEQ ID NO:6) |
| Kappa 4 | CTGWTGTTCTGGATTCCTG (SEQ ID NO:7) |
| Kappa 5 | GTGCTCTGGATTCGGGAA (SEQ ID NO:8) |
| Kappa 6 | TCAGCTTCYTGCTAATCAGTG (SEQ ID NO:9) |
| Kappa 7 | TGGGTATCTGGTRCSTGTG (SEQ ID NO:10) |
| Kappa 8 | GTTTCMAGGTRCCAGATGT (SEQ ID NO:11) |
| Kappa 9 | TGTTTTCAAGGTRCCAGATGT (SEQ ID NO:12) |
| Kappa 10 | CTSTGGTTGTCTGGTGTGA (SEQ ID NO:13) |
| Kappa 11 | TGCTKCKCTGGGTTCCAG (SEQ ID NO:14) |

R=A+G; M=A+C; W=A+T; K=G+T; S=G+C; Y=C+T; H=A+T+C; B=G+T+C; D=G+A+T;
N=A+C+G+T; V=G+A+C

FIG. 2A



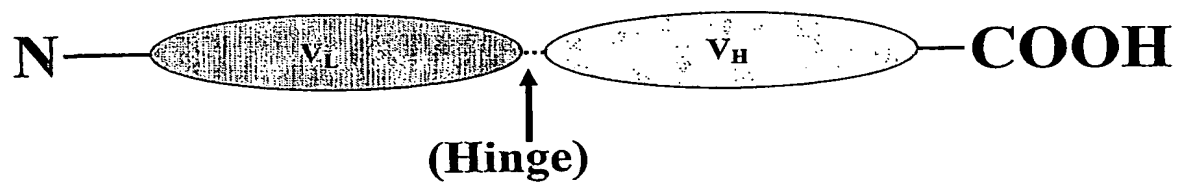
| | |
|----------|---|
| Gamma 1 | GAGGTGAAGCTGCAGGAGTCAGGACCTAGCCTGGTG (SEQ ID NO:16) |
| Gamma 2 | AGGTVMAACTGCAGVAGTCWGG (SEQ ID NO:17) |
| Gamma 3 | AGGTVVAGCTGCAGVAGTCWGG (SEQ ID NO:18) |
| Gamma 4 | ACTGCAGGTRTCCACTCC (SEQ ID NO:19) |
| Gamma 5 | RCTACAGGTGTCCACTCC (SEQ ID NO:20) |
| Gamma 6 | GCYACAGMTGTCCACTCC (SEQ ID NO:21) |
| Gamma 7 | ACTGCAGGTGTCCTCTCT (SEQ ID NO:22) |
| Gamma 8 | RCTRCAGGYGTCCACTCT (SEQ ID NO:23) |
| Gamma 9 | CCAAGCTGTGTCCTRTCC (SEQ ID NO:24) |
| Gamma 10 | CCAAGCTGTGTCCTRTCC (SEQ ID NO:25) |
| Gamma 11 | TGTTGACAGYCVTT CCKGGT (SEQ ID NO:26) |
| Gamma 12 | TAYTTTAAAARGTGTCMAGTGT (SEQ ID NO:27) |
| Gamma 13 | CTYTTAAAAGGKGTCCAGWG (SEQ ID NO:28) |
| Gamma 14 | CYTTTAMATGGTATCCAGTGT (SEQ ID NO:29) |
| Gamma 15 | ATGGCAGCWGCYCAAAG (SEQ ID NO:30) |
| Gamma 16 | CTTTTAAAAGWTGTCCAGKGT (SEQ ID NO:31) |
| Gamma 17 | CTTCCTGATGGCAGTGGTT (SEQ ID NO:32) |

R=A+G; M=A+C; W=A+T; K=G+T; S=G+C; Y=C+T; H=A+T+C; B=G+T+C; D=G+A+T;

N=A+C+G+T; V=G+A+C

FIG. 2B

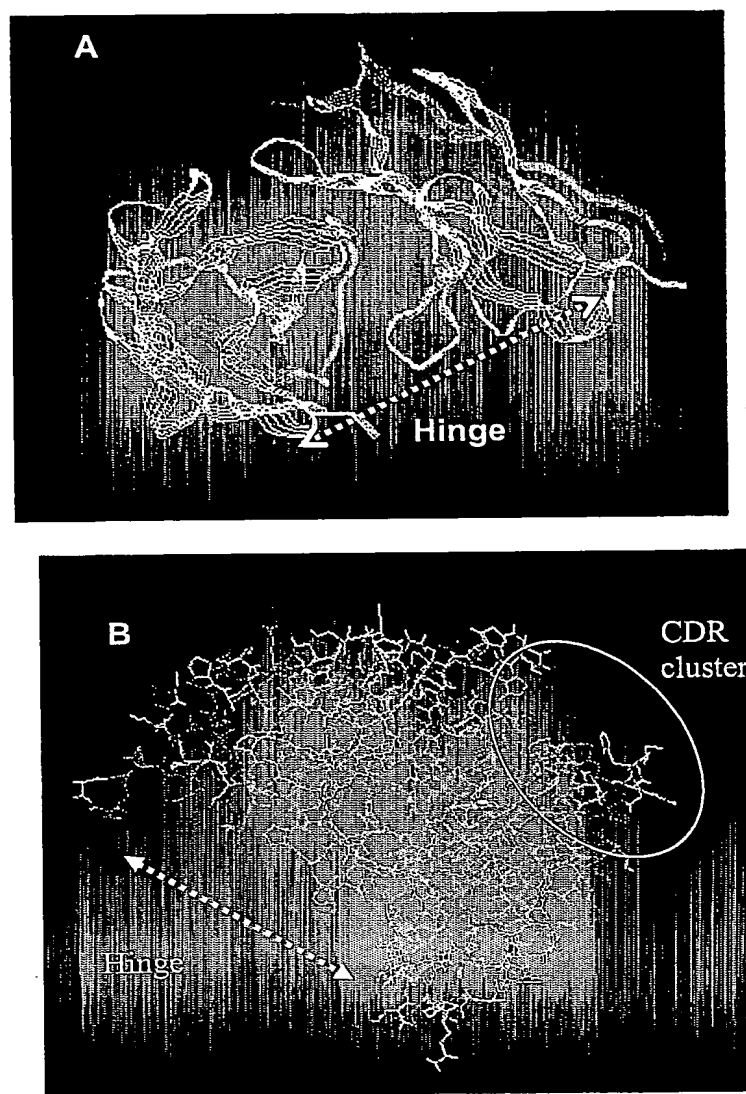
2C



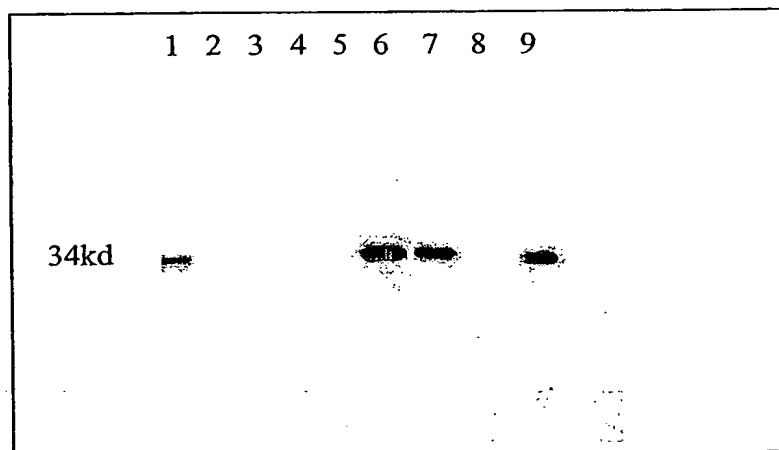
2D

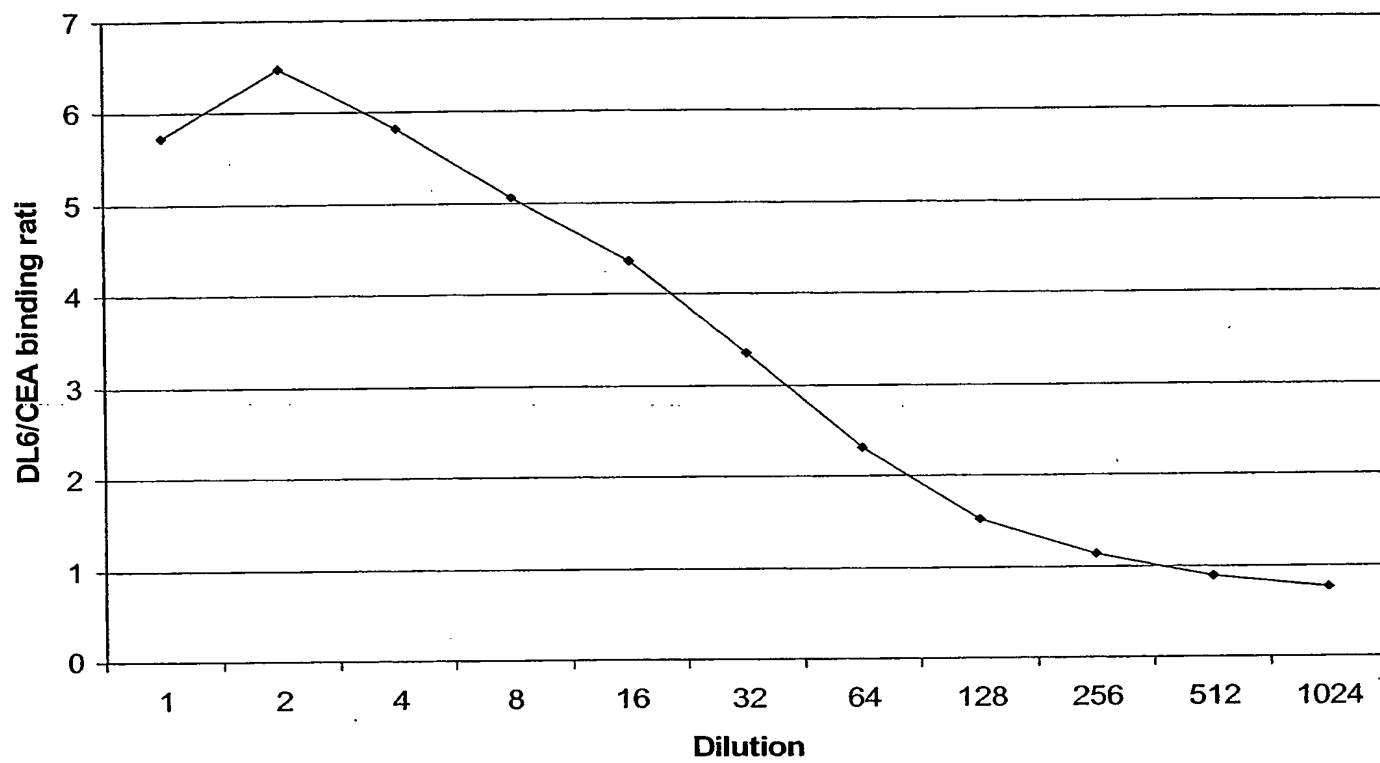


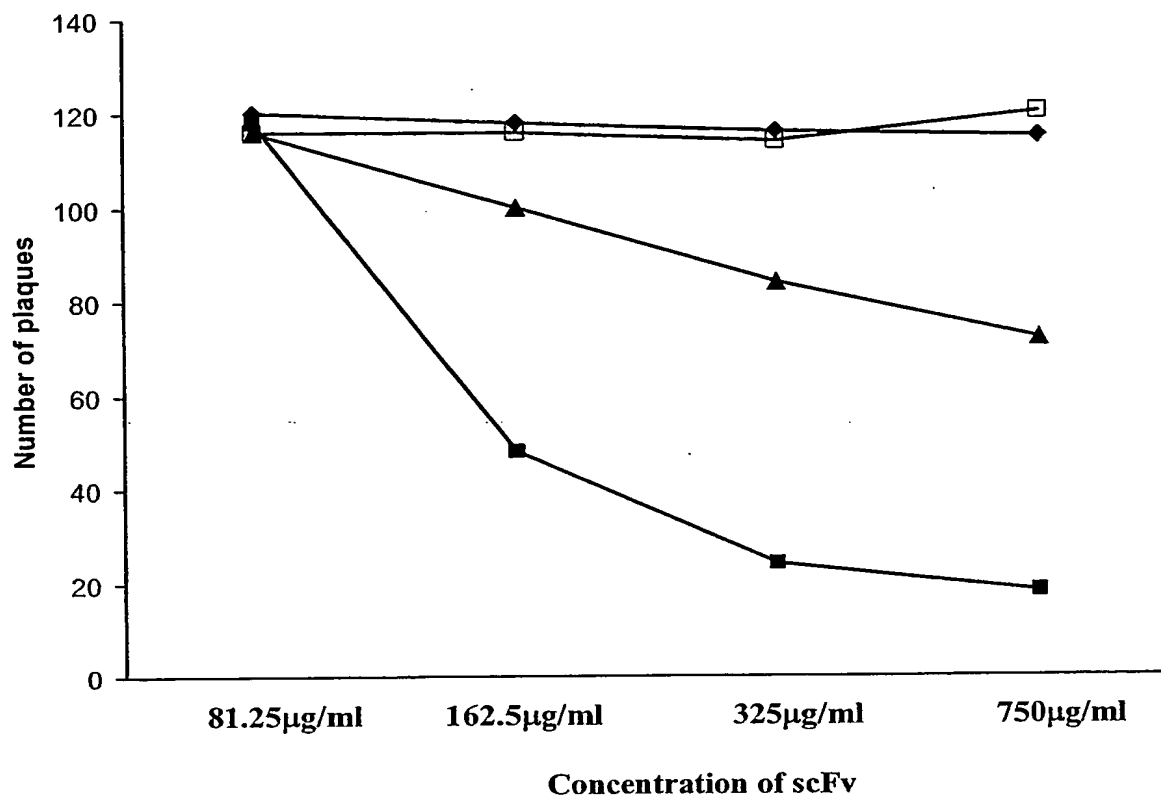
FIGs. 2C-2D

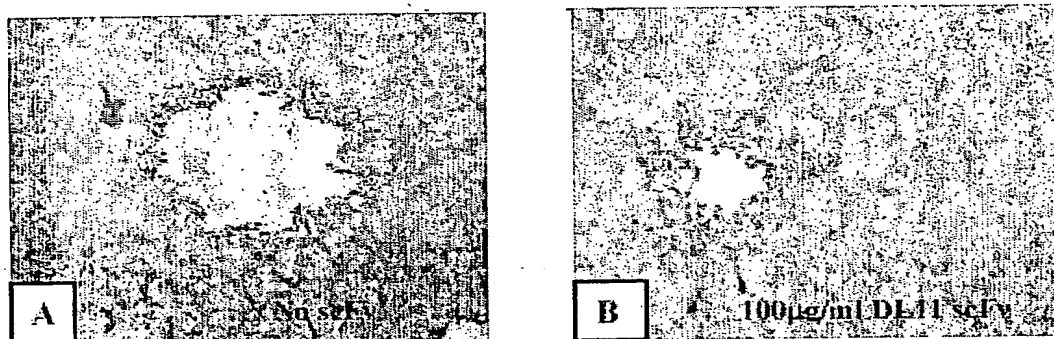


FIGs. 3A-3B

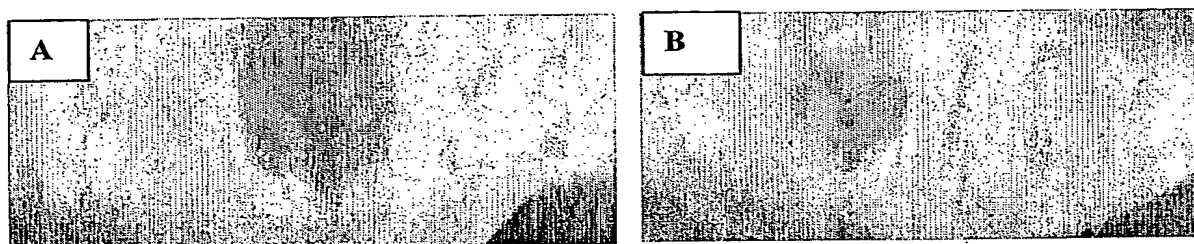
**FIG. 4**

**FIG. 5**

**FIG. 6**



FIGs. 7A-7B



FIGs. 8A-8B

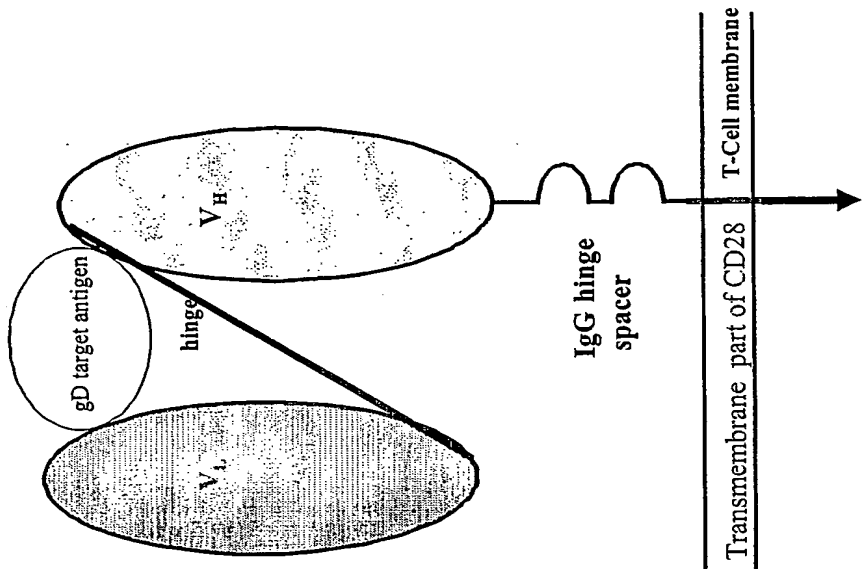


FIG. 9

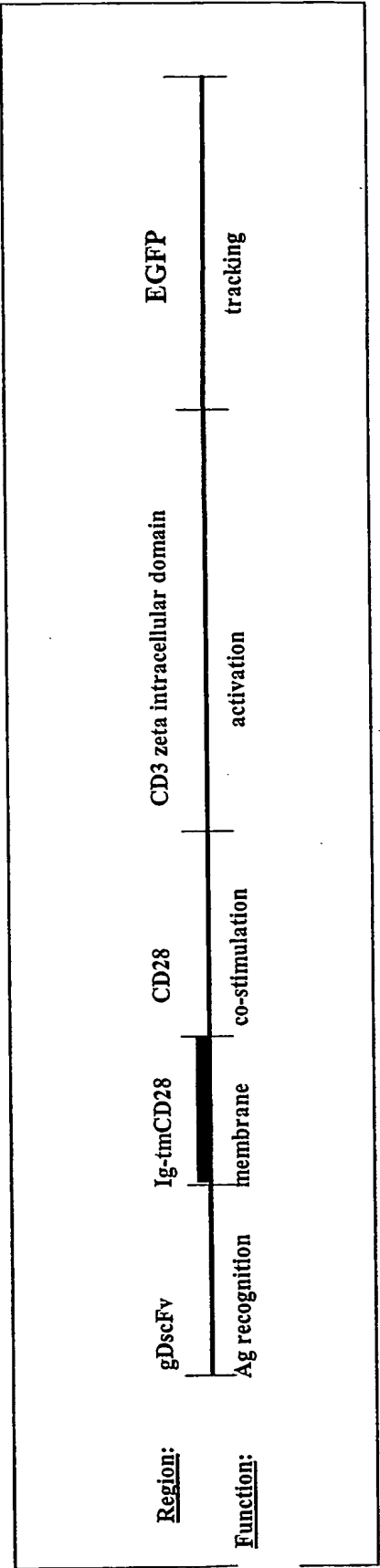
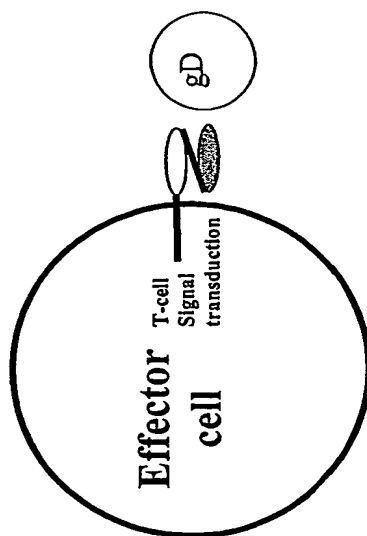


FIG. 10

T-body schematic



Transduced human PBLs



FIG. 11

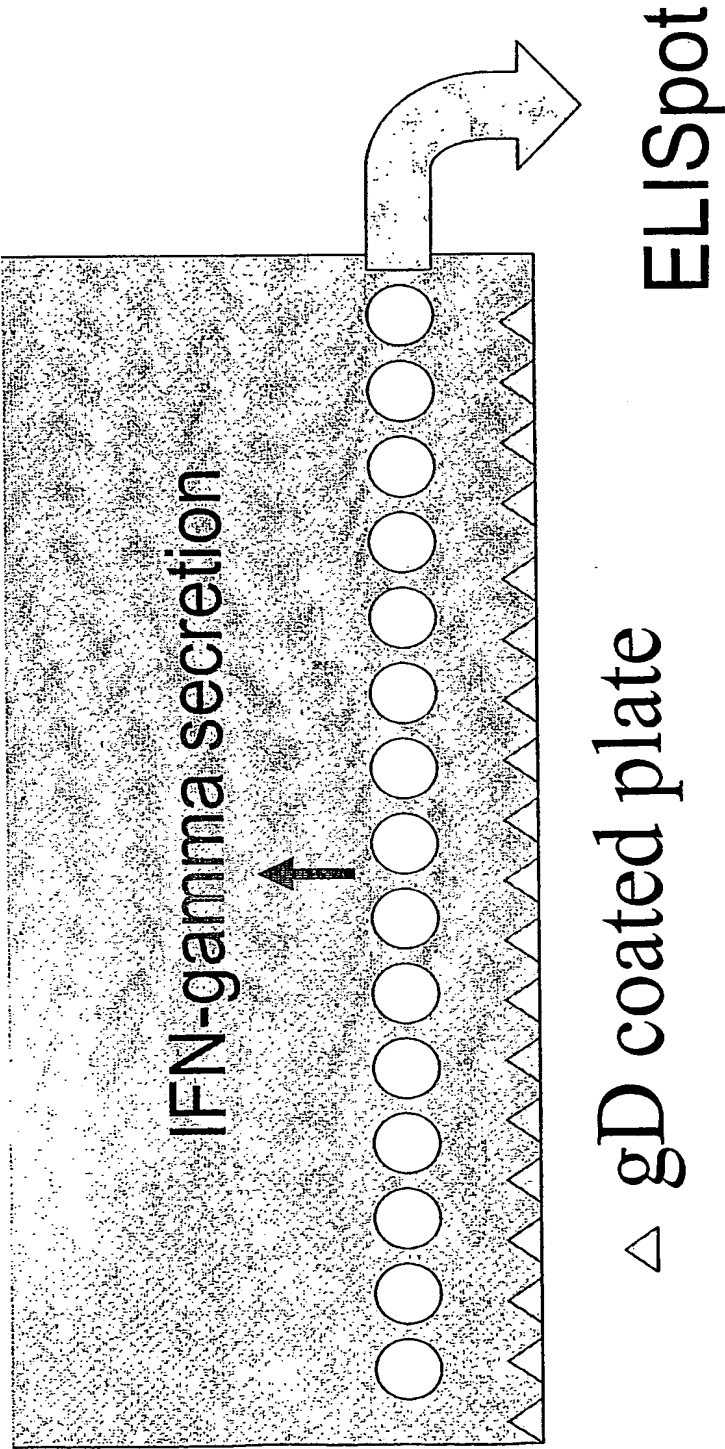


FIG. 12